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BULLETIN  
OF THE  
CHICAGO ACADEMY OF SCIENCES.

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LIST OF BATRACHIA AND REPTILIA  
OF  
ILLINOIS.

BY N. S. DAVIS, Jr., AND F. L. RICE.

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### LIST OF BATRACHIA AND REPTILIA OF ILLINOIS.

BY N. S. DAVIS, JR., AND F. L. RICE.

The greater part of the following list was prepared for publication in 1876. The facts were collected by the authors and Mr. E. W. Nelson, to whom belongs equal credit in preparing the larger portion of the list. Since then, however, many additions have been made. A considerable number of species noticed below have not before been recorded as coming from this section of the country. There are quite a number also that, from their known distribution, we may expect to find in Illinois, but they have been excluded from the present list, as no well authenticated specimens from the State have come under the authors' notice. We wish to express thanks especially to Mr. Robert Ridgeway, Dr. P. R. Hoy, Prof. F. Stein and Dr. Schenck, for local lists which they have furnished us. The present list includes species and sub-species of—

Ophidia .....	54
Lacertilia .....	6
Testudinata.....	14
<b>Total Reptilia.....</b>	<b>74</b>
Trachystomata.....	1
Proteida.....	1
Caducibranchiata .....	17
Anoura.....	13
<b>Total Batrachia .....</b>	<b>32</b>
<b>Total Reptilia and Batrachia .....</b>	<b>106</b>

From this it is seen that nearly one-third of all the Reptilia and Batrachia of the United States are included in the fauna of Illinois.

## BATRACHIA OF ILLINOIS.

## TRACHYSTOMATA.

## SIRENIDÆ.

1. *Siren lacertina*, Linn. Great Siren. Found throughout the Austroriparian region. A specimen in the collection of the Northwestern University was obtained in Northern Illinois.

## PROTEIDA.

## PROTEIDÆ.

2. *Necturus lateralis*, Say. Mud-puppy or Water-dog. Exceedingly abundant in Lake Michigan; found also in the Mississippi and other rivers throughout the State.

## CADUCIBRANCHIATA.

## MENOPOMIDÆ.

3. *Menopoma allegheniense*, Harl. Hellbender. Found in the Mississippi and its tributaries.

## AMBLYSTOMIDÆ.

4. *Amblystoma talpoideum*, Holb. Mole Salamander. Found in the extreme Southern portion of the State.
5. *Amblystoma opacum*, Graven. Opaque Salamander. Abundant throughout the State.
6. *Amblystoma punctatum*, Linn. Large Spotted Salamander. Common in all parts of the State.
7. *Amblystoma tigrinum*, Green. Tiger Salamander. Exceedingly abundant everywhere.
8. *Amblystoma jeffersonianum*, Gr. sub-sp. *laterale*, Hall. Jefferson's Salamander. Found in the extreme Northern portion of the State.
9. *Amblystoma jeffersonianum*, Gr. sub-sp. *platineum*, Cope. A specimen in the collection of the Smithsonian Institution extends the Western range of this sub-species into Illinois.

## PLETHODONTIDÆ.

10. *Hemidactylium scutatum*, Schl. Four-toed Salamander. Found throughout the State.
11. *Plethodon cinereus*, Gr. sub-sp. *cinereus*. Gr. Red-backed Salamander.

12. *Plethodon cinereus*, Gr. sub-sp. *erythronotus*. Gr. Both sub-species of this species are found in all parts of the State.
13. *Plethodon glutinosus*, Gr. Viscid Salamander. Common throughout the State.
14. *Spelerpes bilineatus*, Gr. Two-striped Salamander. Found throughout the State.
15. *Spelerper longicaudus*, Gr. Cave Salamander. From all parts of the State.
16. *Spelerpes ruber*, Daud.; sub-sp. *ruber*, Daud. Red Triton. Found throughout the State.

## DESMOGNATHIDÆ.

17. *Desmognathus fusca*, Raf.; sub-sp. *fusca*, Raf. Dusky Salamander. Found in all portions of the State.
18. *Desmognathus nigra*, Gr. Black Salamander. A specimen in the collection of the Smithsonian Institution was found in Cook Co., Illinois.

## PLEURODELIDÆ.

19. *Diemyctylus miniatus*, Raf.; sub-sp. *miniatus*, Raf. Red Evet. Common throughout the State.
20. *Diemyctylus miniatus*, Raf.; sub-sp. *viridescens*, Raf. Spotted Evet. Common in all parts of the State.

## ANOURA.

## BUFONIDÆ.

21. *Bufo lentiginosus*, Shaw; sub-sp. *americanus*, Le Conte. Common toad. Exceedingly abundant everywhere.

## ENGYSTOMIDÆ.

22. *Engystoma carolinense*, Holb. Found in the extreme Southern part of the State.

## HYLIDÆ.

23. *Acris gryllus*, Le C.; sub-sp. *gryllus*, Le C. Cricket Frog. From Southern Illinois.
24. *Acris gryllus*, Le C.; sub-sp. *crepitans*, Bd. Northern Cricket Frog. From the central and Northern part of the State.
25. *Chorophilus triseriatus*, Wied.; sub-sp. *triseriatus*, Wied. Tree Frog. Abundant in the Northern portion of the State.
26. *Hyla squirella*, Daud. Squirrel Frog. From Southern Illinois.

27. *Hyla pickeringi*, Holb. Pickering's Tree Toad. Not uncommon in the Northern portion of the State.
28. *Hyla versicolor*, Le C. Common Tree Toad. Abundant throughout the State.

#### RANIDÆ.

29. *Rana halecina*, Kal. Common Frog. Exceedingly abundant in all parts of the State. If the sub-species *halecina* and *berlandieri* are good, they are both found in the State.
30. *Rana palustris*, Le C. Pickerel Frog. Common throughout the State.
31. *Rana clamitans*, Merr. Green or Spring Frog. Abundant throughout the State.
32. *Rana catesbiana*, Shaw. Bull Frog. Common everywhere in the State.
33. *Rana temporaria*, Linn; sub-sp. *silvatica*, Le C. Found in all portions of the State. Abundant in the Northern part.
34. *Rana areolata*, B. & G.; sub-sp. *circulosa*. Ringed Frog. Specimens in the Smithsonian collections were obtained by Robert Kennicott in Northern Illinois.

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## REPTILIA OF ILLINOIS.

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### OPHIDIA.

#### CROTALIDÆ.

1. *Crotalus horridus*, Linn. Banded or Northern Rattle Snake. Found throughout the State. Abundant in certain localities.
2. *Caudisoma tergemina*, Say. Massasauga. Prairie Rattle Snake. Found in all portions of the State except "the heavily timbered regions of the South."\* Formerly abundant in the Northern portion, but less common at present.
3. *Ancistrodon piscivorus*, Lac.; sub-sp. *piscivorus*, Lac. Water Moccasin. Found in the Southern part of the State.
4. *Ancistrodon contortrix*, Linn. Copper-head. Cotton-mouth. Found occasionally in all parts of the State.

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\*Fide Kennicott. List of Rep. and Batr. of Cook Co., 1853. Transactions of Illinois Agricultural Society.

## COLUBRIDÆ.

5. *Carphophiops heleneæ*, Kenn. Helen Tennison's Snake. From Southern Illinois.
6. *Carphophiops amoenus*, Say. Ground Snake. Found throughout the State, but not abundant.
7. *Carphophiops vermis*, Kenn. Worm Snake. From the Southern portion.
8. *Virginia valerieæ*, B. & G. Valeria Blaney's Snake. Southern Illinois.
9. *Virginia elegans*, Kenn. Kennicott's Brown Snake. Southern Illinois.
10. *Haldea striatula*, Linn. Brown Snake. From the Southern portions of the State.
11. *Abastor erythrogramus*, Daud. Red-lined Snake. From Southern Illinois.
12. *Farancia abacura*, Holb. Red-bellied Horn Snake. Found in Southern Illinois.
13. *Oseola elapsoidea*, Holb. Scarlet Snake. Southern Illinois.
14. *Ophibolus doliatus*, Linn; sub-sp. *coccineus*, Schl. Red King Snake. Southern Illinois.
15. *Ophibolus doliatus*, Linn; sub-sp. *doliatus*, Linn. Corn Snake. Southern part of the State.
16. *Ophibolus doliatus*, Linn; var. *triangulus*, Borè. Milk Snake or Spotted Adder. Abundant throughout the State.
17. *Ophibolus getulus*, Linn; var. *Sayi*,\* Holb. King Snake. Found in all parts of the State.
18. *Ophibolus rhombomaculatus*, Holb. Southern Illinois.
19. *Ophibolus calligaster*, Say. Kennicott's Chain Snake. Southern part of State.
20. *Diadophis punctatus*, Linn; sub-sp. *punctatus*, Linn. Ring-necked Snake. Throughout the State. Not common.
21. *Diadophis punctatus*, Linn; sub-sp. *amabilis*, B. & G. Southern Illinois.
22. *Diadophis arnyi*, Kenn. Arny's Ring-necked Snake. Southern Illinois.
23. *Cyclophis vernalis*, De K. Green or Grass Snake. Abundant in the Northern part of the State; rare in the Southern.
24. *Cyclophis æstivus*, Linn. Summer Green Snake. From Southern Illinois.
25. *Coluber emoryi*, B. & G. Emory's Racer. Found in the Southern portion of the State.
26. *Coluber lindheimeri*, B. & G. Southern Illinois.

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\*This species has been taken in Wisconsin by Dr. P. R. Hoy, of Racine.

27. *Coluber vulpinus*, B. & G. Fox Snake. Common in Northern Illinois; probably found throughout the State.
28. *Coluber obsoletus*, Say; sub-sp. *obsoletus*, Say. Pilot Snake. Throughout the State.
29. *Coluber obsoletus*, Say; sub-sp. *confinis*, B. & G. Racer. Southern Illinois.
30. *Coluber guttatus*, Linn. In the Smithsonian collection there is a specimen from Mt. Carmel, Ill.
31. *Pityophis sayi*, Schl.; sub-sp. *sayi*, Schl. Western Pine Snake. Found throughout the State. Not common.
32. *Bascanion constrictor*, Linn; sub-sp. *constrictor*, Linn. Black Snake. Blue Racer. Abundant throughout the State.
33. *Eutænia saurita*, Linn. Riband Snake. Swift Garter Snake. Throughout the State.
34. *Eutænia faireyi*, B. & G. Fairies' Garter Snake. Occurs throughout the State.
35. *Eutænia proxima*, Say. Say's Garter Snake. Found in all parts of the State; common in the Northern portion.
36. *Eutænia radix*, B. & G. Hoy's Garter Snake. Very abundant in the Northern part of the State.
37. *Eutænia vagrans*, B. & G.; sub-sp. *vagrans*, B. & G. Spotted Riband Snake. A typical specimen of this species was collected near Chicago by Mr. E. W. Nelson in 1874.
38. *Eutænia sirtalis*, Linn; sub-sp. *dorsalis*, B. & G. Common Striped Snake. Abundant in all parts of the State.
39. *Eutænia sirtalis*, Linn; sub-sp. *sirtalis*, Linn. Common Garter Snake. Exceedingly common throughout the State.
40. *Eutænia sirtalis*, Linn; sub-sp. *parietalis*, Say. Red-spotted Garter Snake. "Occurs plentifully in the Wabash Valley."\* Has also been taken in the central portion of the State.
41. *Eutænia sirtalis*, Linn; sub-sp. *obscura*, Cope. Common in Northern Illinois.
42. *Storeria occipitomaculata*, Storer. Red-bellied Snake. Common in all parts of the State.
43. *Storeria dekayi*, Holb. De Kay's Brown Snake. Found throughout the State; abundant in the Northern portion.
44. *Tropidoclonium kirtlandi*, Kenn. Cora Kennicott's Snake. Rare in Northern Illinois; abundant in central.
45. *Tropidonotus grahami*, B. & G. Graham's Snake. Found throughout the State; less abundant than formerly in the Northern portion.
46. *Tropidonotus leberis*, Linn. Leather Snake. Occurs throughout the State; abundant in the Northern portion.

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\*Fide R. Ridgeway.



47. *Tropidonotus fasciatus*, Linn. Fasciated Water Snake. Southern Illinois.
48. *Tropidonotus sipedon*, Linn; sub-sp. *sipedon*, Linn. Water Snake. Abundant in all parts of the State.
49. *Tropidonotus sipedon*, Linn; sub-sp. *woodhousei*, B. & G. Found throughout the State.
50. *Tropidonotus sipedon*, Linn; sub-sp. *erythrogaster*, Sh. Red-bellied Water Snake. Found throughout the State.
51. *Tropidonotus rhombifer*, Hall. Throughout the State.
52. *Tropidonotus cyclopium*, D. & B. Southern Illinois.
53. *Heterodon platyrhinus*, Latr. Spreading Adder. Abundant in all parts of the State.
54. *Heterodon simus*, Linn; sub-sp. *simus*, Linn. Hog-nosed Snake. Occurs throughout the State.\*

## LACERTILIA.

### SCINCIDÆ.

1. *Oligosoma laterale*, Say. Ground Lizard. Southern Illinois.
2. *Eumeces fasciatus*, Linn. Blue-tailed Lizard. Found throughout the State; especially common in the Southern portion.
3. *Eumeces obsoletus*, B. & G. Central and Southern Illinois.

### TEIDÆ.

4. *Cnemidophorus sexlineatus*, Linn. Six-lined Lizard. Found in all parts of the State, and extends Northward into Wisconsin.†

### ANGUIDÆ.

5. *Ophiosaurus ventralis*, Daud. Glass Snake. Found throughout the State. Abundant in the central part; formerly common in the Northern, but rare at present. Has been taken in Southern Wisconsin.‡

### IGUANIDÆ.

6. *Sceloporus undulatus*, Harl.; sub-sp. *undulatus*, Harl. Swift Lizard. Taken throughout the State; abundant in some localities.

\* Dr. P. R. Hoy has taken this species in Western Wisconsin.

† Wisconsin. Fide Dr. P. R. Hoy.

‡ Wisconsin. Fide Dr. P. R. Hoy.

## TESTUDINATA.

## TRIONYCHIDÆ.

1. *Amyda mutica*, Les. Leathery Turtle. Found in the Mississippi and other rivers of the State. Has been taken in Lake Michigan.
2. *Aspionectes spinifer*, Les. Common Soft-shelled Turtle. Found in Lake Michigan; abundant in many of the rivers of the State.

## CHELYDRIDÆ.

3. *Chelydra serpentina*, Linn. Common Snapping Turtle. Very common in all localities.
4. *Macrochelys lacertina*, Schw. Alligator, or Mississippi Snapper. Southern Illinois. Has been taken in the Mississippi as far North as Wisconsin.\*

## CINOSTERNIDÆ.

5. *Aromochelys odoratus*, Latr. Musk Turtle. Stink Pot. Throughout the State.
6. *Aromochelys carinatus*, Gray. Has been taken as far north as Lake County.

## EMYDIDÆ.

7. *Pseudemys hieroglyphica*, Holb. Southern Illinois.
8. *Pseudemys troosti*, Holb. Yellow-bellied Terrapin. Southern part of the State.
9. *Pseudemys elegans*, Wied. Southern Illinois.
10. *Malacoclemmys geographicus*, Les. Map Turtle. Found throughout the State.
11. *Malacoclemmys pseudo-geographicus*, Holb. Le Sueur's Map Turtle. Found in all parts of the State.
12. *Chrysemys picta*, Herm. Painted Turtle. Found throughout the State; abundant in the Northern portion.
13. *Emys meleagris*, Shaw. Blanding's Turtle. Abundant in Northern Illinois.
14. *Cistudo clausa*, Gm. Common Box Turtle. Throughout the State.

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\*Wisconsin. Fide Dr. P. R. Hoy.